

ABSTRACT OF THE DISCLOSURE

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A miniaturized cost-saving intermittent short circuit determining device located between a power source and an electric load in a vehicle electric circuit. The determining device includes detecting means for detecting current flowing through the electric circuit, determining means for determining whether the current detected by the detecting means is an intermittent short circuit, and disconnecting means for disconnecting the electric circuit when the determining means judges that there is an abnormality. The determining means is connected to an external switch circuit, which selectively supplies and stops current to the electric load of the electric circuit. The determining means determines whether the external switch circuit is switched on or off, and switches the disconnecting means on or off according to the determination.